

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L2    | 6    | ("6580969" "20030018283" "20050070834" "20040031169" "20030115031" "5203346").did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2007/10/09 09:26 |

# EAST Search History

|    |     |  |                    |    |    |                  |
|----|-----|--|--------------------|----|----|------------------|
| L4 | 132 | (US-20050080590-\$ or<br>US-20040116836-\$ or<br>US-20040206164-\$ or<br>US-20040167641-\$ or<br>US-20020022907-\$ or<br>US-20040107780-\$ or<br>US-20050102111-\$ or<br>US-20040249319-\$ or<br>US-20030018283-\$ or<br>US-20040158175-\$ or<br>US-20030115031-\$ or<br>US-20050261609-\$ or<br>US-20050113720-\$ or<br>US-20040228510-\$ or<br>US-20040059264-\$ or<br>US-20040220490-\$ or<br>US-20030236472-\$ or<br>US-20040153007-\$ or<br>US-20020077567-\$ or<br>US-20010041846-\$ or<br>US-20010029343-\$ or<br>US-20020183656-\$ or<br>US-20020133093-\$ or<br>US-20020052541-\$ or<br>US-20010056249-\$ or<br>US-20010020140-\$).did. or<br>(US-20030083596-\$ or<br>US-20030120183-\$ or<br>US-20030004438-\$ or<br>US-20020198472-\$ or<br>US-20020091326-\$ or<br>US-20020143277-\$ or<br>US-20020077534-\$ or<br>US-20040102723-\$ or<br>US-20030116363-\$ or<br>US-20020052663-\$ or<br>US-20010053942-\$ or<br>US-20050104548-\$ or<br>US-20030023415-\$).did. or<br>(US-6915230-\$ or US-6505096-\$ or<br>US-6289265-\$ or US-5459659-\$ or<br>US-5808433-\$ or US-5594644-\$ or<br>US-5513106-\$ or US-5455497-\$ or<br>US-5432417-\$ or US-5355064-\$ or<br>US-5426586-\$ or US-5362288-\$ or<br>US-5357433-\$ or US-5343397-\$ or<br>US-4834200-\$ or US-6633783-\$ or<br>US-6152890-\$ or US-6872187-\$ or<br>US-6821299-\$ or US-6786877-\$ or<br>US-6918883-\$ or US-6684165-\$ or<br>US-6673026-\$ or US-6561991-\$ or<br>US-6666831-\$ or US-6461312-\$).<br>did. or (US-6423015-\$ or<br>US-6409687-\$ or US-6243624-\$ or<br>US-6231520-\$ or US-6273863-\$ or<br>US-6245014-\$ or US-6161080-\$ or<br>US-6110130-\$ or US-6165143-\$ or<br>US-6162189-\$ or US-6050963-\$ or<br>US-5885721-\$ or US-5885720-\$ or | US-PGPUB;<br>USPAT | OR | ON | 2007/10/09 09:26 |
|----|-----|--|--------------------|----|----|------------------|

## EAST Search History

|    |     |   |  |    |    |                  |
|----|-----|---|--|----|----|------------------|
| L5 | 29  | (US-20040107780-\$ or<br>US-20040116836-\$ or<br>US-20060195223-\$ or<br>US-20060197485-\$ or<br>US-20070084278-\$ or<br>US-20040167641-\$ or<br>US-20060200272-\$ or<br>US-20040206164-\$ or<br>US-20060173578-\$ or<br>US-20050080590-\$ or<br>US-20060149420-\$ or<br>US-20050102111-\$ or<br>US-20070156283-\$ or<br>US-20030176946-\$ or<br>US-20040089090-\$ or<br>US-20060106495-\$).did. or<br>(US-6971267-\$ or US-7119510-\$ or<br>US-6915230-\$ or US-7054763-\$ or<br>US-7017395-\$ or US-5432417-\$ or<br>US-5739655-\$ or US-6505096-\$ or<br>US-7217247-\$ or US-4166519-\$ or<br>US-5206569-\$ or US-6732015-\$ or<br>US-6959231-\$).did. | US-PGPUB;<br>USPAT   | OR | ON | 2007/10/09 09:27 |
| L6 | 119 | (I2 I4 L5) and @ad<"20020923"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/09 09:27 |
| L7 | 109 | (I2 I4 L5) and @ad<"20020923" and<br>(stair\$4 step\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/09 09:28 |
| L8 | 23  | (I2 I4 L5) and @ad<"20020923" and<br>(stairs)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/09 09:28 |
| L9 | 22  | (I2 I4 L5) and @ad<"20020923" and<br>(stairs) and sensor  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/09 09:30 |

## EAST Search History

|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| L10 | 13   | (l2 l4 l5) and @ad<"20020923" and (stairs) and sensor and torque | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/09 09:30 |
| S2  | 55   | (kawai-masakazu ikeuchi-yasushi dariush-behzad).in.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/01/13 08:47 |
| S3  | 8    | ("5362288" "5432417" "5808433" "6152890").pn.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/01/05 11:57 |
| S4  | 1550 | 600/587.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/01/11 10:26 |
| S5  | 1041 | 600/595.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/01/11 10:45 |
| S6  | 1551 | 600/587.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/01/12 08:39 |
| S7  | 1351 | S6 and @ad<"20021028"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/01/12 08:39 |
| S8  | 1551 | 600/587.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/01/12 14:37 |
| S9  | 112  | S8 and @ad<"20021028" and moment                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/01/12 14:18 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S10 | 673  | 600/587.ccls. and sensor                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/12 14:37 |
| S11 | 425  | 600/587.ccls. and sensor and (force acceleration)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/12 14:44 |
| S12 | 60   | 600/587.ccls. and sensor and (force acceleration) and gravity | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/12 14:43 |
| S13 | 248  | S10 not (S11 S12)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/12 14:44 |
| S14 | 365  | S11 not S12   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/12 14:44 |
| S15 | 1041 | 600/595.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 08:47 |
| S17 | 854  | S15 and @ad<"20021028"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 08:48 |
| S18 | 526  | S15 and @ad<"20021028" and sensor                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 08:48 |
| S19 | 365  | S15 and @ad<"20021028" and sensor and (force acceleration)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 08:48 |
| S20 | 5798 | (body leg) and acceleration and force and torque and moment   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:43 |

## EAST Search History

|     |         |  |   |    |    |                  |
|-----|---------|--|---|----|----|------------------|
| S21 | 3043    | (body leg) and acceleration and force and torque and moment and sensor                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:43 |
| S22 | 197     | (body leg) and acceleration same force same torque same moment and sensor                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:43 |
| S23 | 123     | @ad<"20021028" and (body leg) and acceleration same force same torque same moment and sensor                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:50 |
| S24 | 979     | @ad<"20021028" and sensor same gyroscopic  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:50 |
| S25 | 327     | @ad<"20021028" and sensor same gyroscopic and accelerometer  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:50 |
| S26 | 23      | @ad<"20021028" and sensor same gyroscopic and accelerometer and potentiometer                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:51 |
| S27 | 4118056 | @ad<"20021028" and movement near\$5 control same (limb arm leg hip)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:52 |
| S28 | 4153946 | @ad<"20021028" and movement near\$5 (control measure determine) same (limb arm leg hip)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:53 |
| S29 | 4153602 | @ad<"20021028" and movement near\$4 (control measure determine) same (limb arm leg hip)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:53 |
| S30 | 5299746 | @ad<"20021028" and (movement acceleration force) near\$4 (control measure determine) same (limb arm leg hip) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:53 |

## EAST Search History

|     |         |  |   |    |    |                  |
|-----|---------|--|---|----|----|------------------|
| S31 | 5065626 | @ad<"20021028" and (movement acceleration force) near\$4 (control measure determine) same (limb arm leg hip) and ground                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:54 |
| S32 | 5026778 | @ad<"20021028" and (movement acceleration force) near\$4 (control measure determine) same (limb arm leg hip) same (torque moment) and ground                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 09:54 |
| S33 | 5023617 | @ad<"20021028" and (movement acceleration force) near\$4 (control measure determine) same (limb arm leg hip) same (torque moment) and ground and sensor      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:15 |
| S34 | 3860584 | @ad<"20021028" and movement near\$4 (control measure determine) same (limb arm leg hip) same (torque moment) and ground and sensor                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:15 |
| S35 | 3860453 | @ad<"20021028" and movement near\$4 (control measure determine) same (limb arm leg hip) same (torque moment) and ground and sensor same (acceleration force) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:15 |
| S36 | 3859006 | @ad<"20021028" and movement near\$3 (control measure) same (limb arm leg hip) same (torque moment) and ground and sensor same (acceleration force)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:19 |
| S37 | 3858937 | @ad<"20021028" and movement near\$3 (control measure) same (limb arm leg hip) with (torque moment) and ground and sensor same (acceleration force)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:19 |
| S38 | 3858907 | @ad<"20021028" and movement near\$3 (control measure) same (limb arm leg hip) with (torque moment) and ground and sensor with (acceleration force)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:38 |
| S39 | 3858966 | @ad<"20021028" and movement near\$3 (control measure) same (limb arm leg hip) with (torque moment) same sensor with (acceleration force)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:39 |
| S40 | 3858882 | @ad<"20021028" and movement near\$3 (control measure) same (limb arm leg hip) with (torque moment) same sensor with (acceleration force) and ground          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:40 |

## EAST Search History

|     |         |  |   |     |    |                  |
|-----|---------|--|---|-----|----|------------------|
| S41 | 3858846 | @ad<"20021028" and movement near\$3 (control measure) same (human and (limb arm leg hip)) with (torque moment) same sensor with (acceleration force) and ground                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR  | ON | 2006/01/13 10:40 |
| S42 | 3858846 | @ad<"20021028" and movement near\$3 (control measure) same (human and (limb leg hip)) with (torque moment) same sensor with (acceleration force) and ground                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR  | ON | 2006/01/13 10:40 |
| S43 | 3858846 | @ad<"20021028" and movement near\$3 (control measure) same (human and (limb leg hip)) with (torque moment) same sensor with (acceleration force) and ground and attitude                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR  | ON | 2006/01/13 10:41 |
| S44 | 3858846 | @ad<"20021028" and movement near\$3 (control measure) same (human and (limb leg hip)) with (torque moment) same sensor with (gyroscopic) with (acceleration force) and ground and attitude | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR  | ON | 2006/01/13 10:42 |
| S45 | 4846855 | movement near\$3 (control measure) same (human and (limb leg hip)) with (torque moment) same sensor with (gyroscopic) with (acceleration force) and ground and attitude                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR  | ON | 2006/01/13 10:47 |
| S46 | 0       | movement near\$3 (control measure) same (human and (limb leg hip)) with (torque moment) same sensor with (gyroscopic) with (acceleration force) and ground and attitude                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | AND | ON | 2006/01/13 10:47 |
| S47 | 4846855 | movement near\$3 (control measure) same (human and (leg hip)) with (torque moment) same sensor with (gyroscopic) with (acceleration force) and ground and attitude                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR  | ON | 2006/01/13 10:48 |
| S48 | 4846855 | movement near\$3 (control measure) with (human and (leg hip limb)) with (torque moment) same sensor with (gyroscopic) with (acceleration force) and ground and attitude                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR  | ON | 2006/01/13 10:49 |

## EAST Search History

|     |         |   |   |    |    |                  |
|-----|---------|---|---|----|----|------------------|
| S49 | 4846855 | movement near\$3 (control measure) with (human and (leg hip limb)) with (torque moment) with sensor with (gyroscopic) with (acceleration force) and ground and attitude                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:49 |
| S50 | 4846855 | movement near\$3 (control measure) with (human and (leg hip limb)) with (torque moment) with sensor with (gyroscopic) with (acceleration force) same ground same attitude                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:50 |
| S51 | 4846855 | movement near\$3 (control and measure) with (human and (leg hip limb)) with (torque moment) with sensor with (gyroscopic) with (acceleration force) same ground same attitude             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:50 |
| S52 | 4846855 | movement near\$3 (control and measure) with (human and (leg and hip and limb)) with (torque moment) with sensor with (gyroscopic) with (acceleration force) same ground same attitude     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:50 |
| S53 | 4846855 | movement near\$3 (control and measure) with (human and (leg and hip and limb)) with (torque and moment) with sensor with (gyroscopic) with (acceleration force) same ground same attitude | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:50 |
| S54 | 0       | movement and (control and measure) with (human and (leg and hip and limb)) with (torque and moment) with sensor with (gyroscopic) with (acceleration force) same ground same attitude     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:51 |
| S55 | 0       | (control and measure) with (human and (leg and hip and limb)) with (torque and moment) with sensor with (gyroscopic) with (acceleration force) same ground same attitude                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:51 |
| S56 | 0       | (control and measure) with (human and (leg hip limb)) with (torque moment) with sensor with (gyroscopic) with (acceleration force) same ground same attitude                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:51 |
| S57 | 0       | (control and measure) with (human and (leg hip limb)) with (torque moment) with sensor with (acceleration force) same ground same attitude  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:52 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S58 | 0   | (control and measure) same (human and (leg hip limb)) same (torque moment) same sensor same (acceleration force) same ground same attitude | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:53 |
| S59 | 1   | (control and measure) same (human and (leg hip limb)) same (torque moment) same sensor same (acceleration force)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:53 |
| S60 | 17  | (control measure) same (human and (leg hip limb)) same (torque moment) same sensor same (acceleration force)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:53 |
| S61 | 299 | (control measure) same (human leg hip limb) same (torque moment) same sensor same (acceleration force)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:53 |
| S62 | 295 | (control measure) same (human leg hip limb) same (torque moment) same sensor same (acceleration force) not S23 not S26                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:54 |
| S63 | 157 | (control measure) same (human leg hip limb) same (torque moment) same sensor same (acceleration force) not S23 not S26 and @ad<"20021028"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/13 10:54 |
| S64 | 0   | 32/511.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/17 10:12 |
| S65 | 0   | 32/512.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/17 10:13 |
| S66 | 153 | 33/511.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/17 10:14 |
| S67 | 731 | 33/512.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/01/17 10:14 |

## EAST Search History

|     |    |  |  |    |    |                  |
|-----|----|--|--|----|----|------------------|
| S68 | 40 | ("20050104548" "20050102111"<br>"20040158175" "20040158175" "6,<br>785,591" "6,750,866"<br>"20040107780" "6,750,866"<br>"20040102723" "6,633,783" "6,505,<br>096" "20030023415" "20030018283"<br>"6,289,265" "6,161,080" "5,982,389"<br>"5,835,693" "5,136,227" "5,044,360"<br>"4,834,200" "4,786,847" "4,244,<br>120").did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/07/06 16:00 |
| S69 | 20 | ("20050104548" "20050102111"<br>"20040158175" "20040158175" "6,<br>785,591" "6,750,866"<br>"20040107780" "6,750,866"<br>"20040102723" "6,633,783" "6,505,<br>096" "20030023415" "20030018283"<br>"6,289,265" "6,161,080" "5,982,389"<br>"5,835,693" "5,136,227" "5,044,360"<br>"4,834,200" "4,786,847" "4,244,<br>120").did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO                                  | OR | ON | 2006/07/06 16:01 |
| S70 | 2  | "6580969".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/12/05 15:41 |

## EAST Search History

|     |    |   |  |    |    |                  |
|-----|----|---|--|----|----|------------------|
| S71 | 50 | (US-20040107780-\$ or<br>US-20040116836-\$ or<br>US-20060197485-\$ or<br>US-20060200272-\$ or<br>US-20070084278-\$ or<br>US-20040167641-\$ or<br>US-20040206164-\$ or<br>US-20060149420-\$ or<br>US-20060195223-\$ or<br>US-20040060746-\$ or<br>US-20050029979-\$ or<br>US-20050080590-\$ or<br>US-20020022907-\$ or<br>US-20060173578-\$ or<br>US-20020062178-\$ or<br>US-20040238240-\$ or<br>US-20050001575-\$).did. or<br>(US-5426586-\$ or US-6971267-\$ or<br>US-7119510-\$ or US-5459659-\$ or<br>US-5872893-\$ or US-4834200-\$ or<br>US-5349277-\$ or US-6915230-\$ or<br>US-7054763-\$ or US-5357433-\$ or<br>US-6289265-\$ or US-4324302-\$ or<br>US-5252901-\$ or US-5221883-\$ or<br>US-6902015-\$ or US-5423708-\$ or<br>US-5808433-\$ or US-7061198-\$ or<br>US-5513106-\$ or US-5594644-\$ or<br>US-5455497-\$ or US-7017395-\$ or<br>US-5337235-\$ or US-6505096-\$ or<br>US-5432417-\$ or US-5040626-\$).<br>did. or (US-6640160-\$ or<br>US-5362288-\$ or US-5842533-\$ or<br>US-6472839-\$ or US-5343397-\$ or<br>US-5355064-\$ or US-6992456-\$).<br>did. | US-PGPUB;<br>USPAT   | OR | ON | 2007/05/21 10:34 |
| S72 | 33 | ("20030018283" "20030023415" "20<br>040102723" "20040107780" "20040<br>158175" "20040193318" "20050102<br>111" "20050104548" "4244120" "47<br>86847" "4834200" "5044360" "5136<br>227" "5323549" "5362288" "543241<br>7" "5570286" "5706589" "5808433"<br> "5835693" "5942869" "5982389" "<br>6045524" "6076025" "6152890" "61<br>61080" "6289265" "6505096" "6580<br>969" "6633783" "6750866" "678559<br>1" "7112938").DID.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2007/05/21 10:34 |

## EAST Search History

|     |    |   |                    |    |    |                  |
|-----|----|---|--------------------|----|----|------------------|
| S74 | 29 | (US-20040107780-\$ or<br>US-20040116836-\$ or<br>US-20060195223-\$ or<br>US-20060197485-\$ or<br>US-20070084278-\$ or<br>US-20040167641-\$ or<br>US-20060200272-\$ or<br>US-20040206164-\$ or<br>US-20060173578-\$ or<br>US-20050080590-\$ or<br>US-20060149420-\$ or<br>US-20050102111-\$ or<br>US-20070156283-\$ or<br>US-20030176946-\$ or<br>US-20040089090-\$ or<br>US-20060106495-\$).did. or<br>(US-6971267-\$ or US-7119510-\$ or<br>US-6915230-\$ or US-7054763-\$ or<br>US-7017395-\$ or US-5432417-\$ or<br>US-5739655-\$ or US-6505096-\$ or<br>US-7217247-\$ or US-4166519-\$ or<br>US-5206569-\$ or US-6732015-\$ or<br>US-6959231-\$).did. | US-PGPUB;<br>USPAT | OR | ON | 2007/10/08 10:29 |
|-----|----|---|--------------------|----|----|------------------|